**EAST Search History**

**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 2 | "20020172600" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/26 10:54 |
| L2 | 0 | 1 and temperature | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/26 10:54 |
| L3 | 0 | 1 and heat$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/26 10:54 |
| L4 | 1 | 1 and filter$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/26 11:15 |
| L5 | 0 | 1 and rins$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/26 11:21 |
| L6 | 1 | 1 and clean$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/26 11:21 |
| S1 | 1256 | sampl$ same valve near4 open$3 near5 (vacuum or negative near3 pressure) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/22 11:22 |

| S2 | 17058638 | "3" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/22 11:23 |
|---|---|---|---|---|---|---|
| S3 | 1256 | sampl$3 same valve near4 open$3 near5 (vacuum or negative near3 pressure) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/22 11:23 |
| S4 | 666 | sampl$3 near15 valve near4 open$3 near5 (vacuum or negative near3 pressure) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/22 11:24 |
| S5 | 266 | sampl$3 near5 valve near4 open$3 near5 (vacuum or negative near3 pressure) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/22 11:24 |
| S6 | 6 | ("4016832" \| "4306517" \| "4325028" \| "4610163" \| "5080040").PN. OR ("5572946").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/04/22 12:37 |
| S7 | 48 | (flapper or ball or non adj return) near3 valve near5 sampl$3 near3 (in or inlet) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/04/22 13:32 |
| S8 | 229 | (flapper or ball or non adj return) near3 valve near7 (in or inlet) and sampl$3.ab,ti. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/04/22 13:53 |
| S9 | 199 | S8 not S7 | US-PGPUB; USPAT; USOCR | OR | ON | 2010/04/22 13:53 |
| S10 | 199 | S9 not S5 | US-PGPUB; USPAT; USOCR | OR | ON | 2010/04/22 13:54 |
| S11 | 610 | (flapper or ball or non adj return or backflow) near3 valve near10 sampl$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2010/04/22 14:54 |
| S12 | 402 | (flapper or ball or non adj return or backflow) near3 valve near5 sampl$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2010/04/22 14:54 |

| S13 | 638 | (flapper or ball or non adj return or backflow) near3 valve near5 inlet and valve near5 (vacuum or negative near2 pressure) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/04/22 15:23 |
| S14 | 2321 | (check or clack or one adj way) near3 valve near5 inlet and valve near5 (vacuum or negative near2 pressure) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/04/22 17:02 |
| S15 | 68 | (check or clack or one adj way) near3 valve near5 inlet and valve near5 (vacuum or negative near2 pressure) and sampl$3. ab,ti. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/04/22 17:03 |

## EAST Search History (Interference)

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**4/26/2010 11:46:24 AM**
**C:\ Documents and Settings\ nfayyaz\ My Documents\ EAST\ Workspaces\ flappervalve.wsp**